

## **APPENDIX I**

### **Databases**

A significant amount of information resides within databases both within and outside of WDFW. Given the volume of information within these databases and the different software programs these databases were developed in, it was not feasible to gather all site-specific data into a common format within the timeline of the WRIP. Instead, a directory of databases was developed in order to catalog the location and content of databases that will be of value in salmonid recovery planning and project identification.

Information on the type of data (GIS, tabular, narrative), platform (Paradox, Quattro Pro, etc.), operating system (DOS, UNIX, Apple), and contact are also available for each record.

---

*Information was summarized for publication in this report. For the complete information collected, download the WRIP spreadsheets from the Washington Department of Fish and Wildlife homepage ([www.wa.gov/wdfw/](http://www.wa.gov/wdfw/)).*

## APPENDIX I A Data Directory of Information Pertinent to Salmonid Recovery

Entry #	Database Name	Description	Area Coverage (Describe)	Last Update	Organization
1	SSHIAP	Stream habitat data inventory			NWIFC
2	Sensitive Hab Inventory	Talus & Bluffs etc.	Benton Co	1983	Benton Co Plan
3	Pt Angeles Watershed	Wetlands, hydro, geo, land use/cover, etc	Statewide	1994	Clallam Co Plan
4	Dungeness/Sequim Wet	Wetlands, hydro, geo, land use/cover, etc	Clallam Co	1994	Clallam Co Plan
5	Landslide Haz/Erosion Haz	Landslide hazards with slopes of 40% +	Clallam Co	1994	Clallam Co Plan
6	Water Resource Info	Wellhead information	Kitsap Co		Kitsap Co PUD
7	Aquifer Well Data	Elevation, depth, etc.	Kittitas Co	1991	Kittitas Planning
8	Aquifer Recharge Study	Well flow, ground water flow, etc.	Mason Co	1994	Mason Co Plan
9	Wetlands Mapping Study	Soils, NWI, Hydrology, etc.	Pend Oreille Co	1992	Pend Oreille SWM
10	Stormwtr Dschrg Monitoring	Discharge into lakes & creeks etc.	Pierce Co	1994	Pierce Co SWM
11	Padilla Bay Wtrshd Plan	Monitor flow, temp, pH, etc.	Skagit Co	1994	Skagit Co Plan
12	Lower Skagit Monitor Study	Monitor flow, NH4, chloride, etc.	Lo Skagit R	1993	Skagit Co Plan
13	County Wetland Inventory	Aerial photos, descriptions, etc	Snohomish Urban Areas	1999-1989	Snohomish Co Plan
14	Annual Rpt wtr qual/quant	Stream flows, lake levels, precip, etc	Thurston Co	1993-1994	Thurston Co SWM
15	Various GIS Layers	Land use coverage, etc.	Thurston Co	1994	Thurston Geodata Ctr
16	General Agricultural Inventory	7 classifications of agricult. lands, etc.	Yakima Co	1991-1992	Yakima Co Planning
17	Wetlands/Stream Habitats	Stream & wetland habitats, etc.	Thurston Co	1993	City of Oly PW
18	Pre-groundwater Mgmt Study	Well monitoring, mapping waste haz, etc.	Walla Walla Co	1994	City of Walla Walla
19	303D Report	Water quality standards	Statewide	1994	DOE
20	Watershed Assessments	General scope of conditions of WRIAs	Statewide		DOE
21	Total Max Daily Load(TDML)	Pollutants in waterbody, flow levels, etc.	Statewide		DOE
22	Generalizing Resources Database	Geothermal sites, water temps, etc.	Statewide		DOE
23	WA State Hydro Dev Res Plan	Area info/fish, heritage, culture, rec., etc	Statewide	1994	DOE
24	Public Land Survey	Land survey lines & corners, etc.	Statewide	??	DNR
25	Forest Canopy	Canopy mapping for forests harvest rates	Statewide	1991	DNR
26	Soils	Soil type of state & private forest lands.	Statewide		DNR
27	Spatial Data Index	Geo-spacial data	Statewide	1993	DNR
28	Forest Resources	Stand inventory & other land cover types	Regional DNR	As occur	DNR
29	Hydrography	Water bodies & water courses	Regional		DNR/FP
30	Transportation	Roads, RR's, & other transport types.	Regional		DNR/FP
31	Rain on Snow	Climate, latitude, vegetation, etc.	Statewide	1991	DNR/FP
32	Storm	Storm events from NOAA.	Statewide	1994	DNR/FP

## APPENDIX I A Data Directory of Information Pertinent to Salmonid Recovery

33	WAU/Basins	Based on Ecology WRIA boundaries, etc.	Statewide	As reviewed	DNR/FP
34	Major public lands	Ownership of state & fed agencies,local,etc	Statewide	6/94	DNR
35	Digital Elevation Models	Digital version of topography.	Statewide	1994	DNR
36	Natural Heritage Info Sys	Botanical data.	Statewide		DNR/FP
37	Spotted Owl Suitable Habitat	Polygon mapping of suitable owl habitat	Selected land		DNR/FP
38	Surface mines in Wash.	Active quarries, related permits, etc.	Statewide		DNR
39	Abandoned Mine Lands	Locations of abandoned mines.	Statewide		DNR
40	Geology Library	Computer db searches on geo conditions.	Statewide		DNR
41	StreamNet	Stocking, harvest,returns, presence of salmonids	Statewide	1997	WDFW
42	SaSI	Inventory, escapement info.	Statewide	1997	WDFW
43	Steelhead Trout Res. Inv. Data	Stocking, harvest, spawning escape info.	Coast & sound & part. Col. R.	1997	WDFW
44	Stream and Lake Fish Database	Species by sample site, chem, bio data.	Statewide	1995	WDFW
45	Commercial catch/effort data	Tribal & commerc catch by river,gear, etc	Statewide	1996	WDFW
46	Salmon spawning ground data	Adult spawn escapement data from 1940	West WA	1995	WDFW
47	WDFW hatchery release data	No. of hatch reared anad salmon planted	Statewide	1997	WDFW
48	PHS	Identify, locations, & management rec.	Statewide	1994	WDFW
49	Wildlife Area Inventory	Create multi-layer db for WDFW-lands	Regional		WDFW
50	Wildlife Habitat mapping	Based on remote techniques, etc.	Regional	As needs dictate	WDFW
51	WA Rivers Info Sys (WARIS)	Presence of & use by fish species, etc.	Statewide	1997	WDFW
52	Enhanced Game Data System	Data on game species surveys.	Regional		WDFW
53	Watershed Analysis Tech Rpt	Reports on fish habitat, channel cond, etc	Statewide	1994	WDFW
54	DWAIN	Turbidity measurements & water qual	Statewide	1994	DOH
55	Wetland Mitigation Sites	Sites built by DOT.	Statewide	1993	DOT
56	Trips Database	Traffic vol, hazard info, road invent, etc	Statewide	1994	DOT
57	GAP	Survey data for nongame wildlife.	Statewide	1994	UW/Coop F & W Unit
58	Water Quality Monitoring	Quality, pH, temp, etc.	Chehalis, Black R	1994	Chehalis Bus. council
59	Fisheries	Spawning surveys in coop with WDFW.	U Chehalis, Skook., New., Rs	1994	Chehalis Tribe
60	Mo. flow & water qual rpts	Instream info on turbidity, pH, oxygen, etc	Col. R. Okan Ferry Doug Linc Co.s	1994	Colville Business Council
61	Various fish related data	Escapement & run info, etc.	Hoh R. drainage		Hoh Tribe

## APPENDIX I A Data Directory of Information Pertinent to Salmonid Recovery

62	Dungeness R. Hab. Info	Spawning location, trap location, etc.	Lo 10 miles of Dungeness R. Basin		Jamestown Klallam Tribe
63	Water quality monitoring	pH, conductivity, turbidity, temp, etc.		1994	Kalispel Tribe
64	Pendine Water Qual db	Surface water & thermal info.	SF Nooksack R.	1995	Nooksack Indian Tribal Cncl
65	Macro-invertebrate Study	Determine stream health, etc. for enhanc	Nooksack tribs on tribal	1994	Nooksack Indian Tribal Cncl
66	Misc info on water qual & fish	Site specific - water qual, instream flow, etc	Nooksack R basin	1994	Nooksack Tribe
67	Water Quality	Sedimentation analysis	NF & SF Nooksack R	1994	Nooksack Indian Tribal Cncl
68	Fisheries & Hab Info	Hab & historical info, surface water.	Nooksack R & tribs	1994	Nooksack Indian Tribal Cncl
69	Flood Control	Flood prevention, monitoring, etc	Nooksack River	1994	Nooksack Indian Tribal Cncl
70	Ambient Monitoring Program	Stream data, ref pt data habitat, LOD, etc	Statewide	1993	NWIFC
71	Salmonid Fish in Quillayute	Spawning survey data, redd count, etc.	Quillayute R drainage	1993	Quileute Indian Tribe
72	Fisheries Info	Population measuremnts, harvest info,etc	Areas used by Quinalt Tribe	1994	Quinalt Business Comm
73	Water Qual & fisheries info	Water quality info	Skokomish R. Basin	1993	Skokomish Tribal Council
74	Various fish & water qual rpts	Lab reports on water quality, field logs etc	Skokomish R. Basin	1993	Skokomish Tribal Council
75	TFW & fisheries	Habitat monitoring in S Hood Canal drain	Skokomish R. Basin	1993	Skokomish Tribal Council
76	Water Qual monitoring	Stream flow, well levels & HPAs	Spokane Res, & drainages		Spokane Tribal Council
77	Wildlife Info	Info on elk, deer, cats, big game, etc.	Spokane & Col R. basins	1994	Spokane Tribal Council
78	Water Quality Info	Quality, drinking water system, rights, etc	Stilly R drain & tribal land	1994	Stilly Tribe Nat Res.
79	Fisheries Info	Harvest Mgmt, escape, seasons, etc.	Stilly R drain	1994	Stilly Tribe Nat Res.
80	Water Quality Info	Quality, flow data, ground water, etc.	Pt. Madison Res	1994	Suquamish Tribal Council
81	Fisheries Data	Spawning survey, catch data, etc.	Areas used by Suquamish Tribe	1994	Suquamish Tribal Council
82	Columbia R Flow Data	Dam flow data	BPA + Fed Dam sites		Army COE
83	Upper Crab Creek Mgmt Area	Wildlife habitats, recreational use, etc.	Crab Cr Drainage Lincoln Co		BLM Spokane Dist
84	Juniper Dunes Raptor Nesting	Annual survey of raptor nesting.	??	1994	BLM
85	Salmon Summit Project	Activity affecting water bodies & anad fish	BLM lands	1994	BLM Wenatchee Dist

## APPENDIX I A Data Directory of Information Pertinent to Salmonid Recovery

86	Mine Info Location System	By mine site, descrip of operation, etc.	Statewide		Bureau of Mines
87	Mineral Land Assessments	Reports on fed lands on mineral use, etc	Statewide		Bureau of Mines
88	108 GIS Theme Layers	db info on fisheries, biophyiscal, etc.	Cascade Crest East		Eastside Ecosys Mgmt Proj
89	STORET - Water qual sys	Results of monitoring activities.	Nationwide	1993	US EPA
90	STORET	General stream monitoring, etc.	Statewide		US EPA
91	REACH FILE	Stream traces & locational data.	Nationwide	1993	US EPA
92	Airborne Partic & Precip Data	Samples of airborne particulates & precip	Nationwide	1993	US EPA
93	NPDES Discharge Monitor Data	Effluent data from all permitted facilities.	Nationwide	1993	US EPA
94	Hazardous Waste Site db	Data available from hazardous waste sites.	Nationwide	1993	US EPA
95	Clean Air Status & Trends Net	Sites with meteorology & ozone results.	Nationwide	1993	US EPA
96	Comprehen. Environ, Response V 2	Inventory of abandoned...hazardous waste sites	Nationwide	1993	US EPA
97	Emerg Resp Notific system	Info on releases of hazardous substances.	Nationwide	1993	US EPA
98	Waterbody System	Info on water qual of specific water bodies	Nationwide	1993	US EPA
99	Fed Facilities Invent System	List of all Treatment Stor.,& Disposal Facilities	Nationwide	1993	US EPA
100	Prox of Waste Sites to Environ	Inventory of 3000 sites.	Nationwide	1993	US EPA
101	Muni Waste Combust & disposal	Inventory of 150 sites.	Nationwide	1993	US EPA
102	Nat'l compend Freshwtr Fish etc	Fish distribution data with water temp data, etc	Nationwide	1993	US EPA
103	Nat'l 304(L) Short List db	Sources that dischrq toxic pollutants, etc	Nationwide	1993	US EPA
104	STORET - Fish Kill File	Fish kills caused by pollution	Nationwide	1993	US EPA
105	Drinking Water Supply File	Info on drinking water sites in US	Nationwide	1993	US EPA
106	STORET - Daily Flow System	USGS daily flow file.	Nationwide	1993	US EPA
107	Industrial Facilities Dischrq file	Info for facilities discharging in nations waters	Nationwide	1993	US EPA
108	Macro-invert & fish comm assess	Samples collected to determine assessment	Nationwide	1993	US EPA
109	Ambient Monitoring System	Identifies which permittees are monitoring	Nationwide	1993	US EPA
110	Forest Service Publications	By silviculture and wildlife ecology team.	Statewide		US EPA
111	WILDOBS	F & W species observations.	Nat'l Forest lands		USFS
112	Fish Habitat Surveys	Surveys for each National Forest.	Streams in Nat'l Forests	??	USFS
113	Nat'l Water Qual Assessment	Water qual of ground & surface water, etc	Yakima, Col.. basins & Sound		USGS Water Res.
114	Nat'l Water Inventory System	Water qual, surface & ground water, etc.	Statewide		USGS

## APPENDIX I A Data Directory of Information Pertinent to Salmonid Recovery

115	Reg. Aquifer System Analysis	Aquifer boundary, qual & quant in aquifer	Col Basin/Puget Sound Drainage	1994	USGS
116	Upstream boundaries project	Shows 20 cfs points & basins covered.	W. WA/NE WA planned		USGS water res.
117	Digital Line Graph	Digital version of line and feature data....	Statewide	As maps are updated	USGS
118	Integrated Satellite Vegetation db	Tree canopy cover, stand structure, etc.	Nat'l Forest lands		Olympic Nat'l Forest
119	Vegetation Mapping	Tree & plant species, stand structure, etc	Nat'l Prks in WA		National Park Service
120	Stream Mgmt, Analysis, ....	Data from USFS Region 6 level I&II invent	Streams w/in Nat'l Forests		USFS Region 6
121	Various biological data	Surveys including WA, fish & amphib surveys	Mt Rainier Nat'l Prk		Mt. Rainier Nat'l Prk
122	Various biological data	data re: salmon smolt & fry monitor, etc	N Cascades Nat'l Prk		N Cascades Nat'l Prk
123	NOAA Tech Memo of Report	Reports that deal with Puget Sound.	Sound, Hood Canal, St of Juan de Fuca	1985	NOAA
124	Sediments Literature Search db	On various sediment science in WA waters	WA Marine Environs		NOAA
125	Habitat Restoration db	On marine habitat restoration....	WA Marine Environs		NOAA
126	StreamNet - Regional	Stocking, harvest, returns, presence of salmonids	Columbia R basin	1997	Pac States Marine Fish Comm
127	Coded Wire Tag db	Release & recovery info, fish tracking, etc	Pacific Northwest, British Columbia	1997	Pac States Marine Fish Comm
128	Pit Tag db	Fish passage info thru hydro projects.	Col R basin, Snake R	1994	Pac States Marine Fish Comm
129	PACFIN	Records of cmmrcl caught fish in Col R.	Mainstem Col R.	1994	Pac States Marine Fish Comm
130	National Resources Invent Data	Data on soils, land use, crop status, etc.	Ag lands in WA	1992	Soil Conserv Svc
131	Cooperative Daily Weather Data	Info including temp, precip, snowfall, etc.	Statewide		Western Reg Climate Center
132	First Order Hourly Weather db	Hourly info of precip, humidity, clouds, etc.	Statewide		Western Reg Climate Center
133	First Order Average Daily Weather	Aver hourly weather values at SeaTac, etc	Statewide		Western Reg Climate Center
134	WA CWT data	coded-wire tag recovery, sample data	Statewide	1997	WDFW

## APPENDIX I A Data Directory of Information Pertinent to Salmonid Recovery

135	Regional Hatchery Release data	CWT and other hatchery release numbers	Pacific Northwest, British Columbia	1997	WDFW
136	Angler Fish Database	angler interview, gamefish harvest, effort estimates	Statewide	1996	WDFW
137	Air photos				COE
138	Lansat TM data veg analysis in GIS			1995	COE
139	Mitigation Agreements	Fish/wildlife mitig. agreements involving WDFW	Statewide	1996	WDFW
140	Hydroelectric Project Database	Hydro project location, status and events	Statewide	1997	WDFW
141	HPADATA	Hydraulic Project Approvals, etc.	Statewide	08-15-97	WDFW
142	AQUATIC	Aquatic herbicide permit applications	Statewide	06-14-94	WDFW
143	SEPA	SEPA log	Statewide	02-03-94	WDFW
144	HPAVIOL	Hydraulic Code violations	Statewide	07-14-97	WDFW
145	WTRRIGHT	Water Rights applications	Statewide	09-24-93	WDFW
146	N. Coast Recreational Halibut	Historical Length Frequency	Northern WA Pacific coast	1991	FM / MRD
147	N. Coast Recreational Halibut	Length Frequency	Northern WA Pacific coast	1992	FM / MRD
148	PS Recreational Halibut	Length Frequency	Puget Sound	1992	FM / MRD
149	S. Coast Recreational Halibut	Length Frequency	Southern WA Pacific coast	1992	FM / MRD
150	Coastal Beach Survey	Annual changes in beach topography	Pacific coastal beaches	1993	FM / MRD
151	Coastal Water Quality	Salinity, DO, Plankton, Temperatures	Pacific coast	1993	FM / MRD
152	Razor Clam	Coastal Recr. Harvest (pop. estimates)	Pacific coast	1992	FM / MRD
153	Razor Clam	Historical Length Frequency	Pacific coast	1979	FM / MRD
154	Razor Clam Population Estimates	Coastal Recreation, in-season	Pacific coast	1992	FM / MRD
155	Lingcod Tagging	Sport, Commercial, Coastal, PS	WA marine waters	1994	FM / MRD
156	Pink Shrimp Sampling	Pandalus Jordani, Coastal, Length/Frequency	Pacific coast	1992	FM / MRD
157	Plankton Data	PS Plankton Tows	Puget Sound	1993	FM / MRD
158	Puget Sound Tow Net Data	PS Juvenile Baitfish Abundance	Puget Sound	1985	FM / MRD
159	Spawning Beach Habitat Surveys	PS Surf Smelt, Rock Sole, & Sand Lance	Puget Sound	1993	FM / MRD

## APPENDIX I A Data Directory of Information Pertinent to Salmonid Recovery

160	Surf Smelt Bio Data	Saratoga Pass & LaConner Surf Smelt Bio Data	Puget Sound	1988	FM / MRD
161	Baitfish Biological Data	PS, all baitfish species	Puget Sound	1997	FM / MRD
162	Herring Spawn Escapement	Herring Spawn & Escapement	Puget Sound	1997	FM / MRD
163	Coastal Black Rockfish	Pacific Coast & San Juans	Pacific coast, San Juans	1992	FM / MRD
164	Hood Canal Shrimp Stock Assess	South Hood Canal	South Hood Canal	1993	FM / MRD
165	Lk WA Sockeye Presmolt Assess	Lake WA Juvenile Sockeye	Lake Washington	1993	FM / MRD
166	Pacific Herring Stock Assessment	South PS	Southern Puget Sound	1993	FM / MRD
167	Pacific Herring Stock Assessment	Discovery Bay	Discovery Bay	1993	FM / MRD
168	Pacific Herring Stock Assessment	Fidalgo Bay	Fidalgo Bay	1993	FM / MRD
169	Pacific Herring Stock Assessment	Ports Orchard & Madison	Ports Orchard & Madison	1993	FM / MRD
170	Pacific Herring Stock Assessment	Bellingham Bay	Bellingham Bay	1993	FM / MRD
171	Pacific Herring Stock Assessment	Gulf of Georgia	Gulf of Georgia	1993	FM / MRD
172	Pacific Herring Stock Assessment	Boundary Bay	Boundary Bay	1993	FM / MRD
173	Pacific Herring Stock Assessment	North Hood Canal	North Hood Canal	1993	FM / MRD
174	Pacific Herring Stock Assessment	San Juan Islands	San Juan Islands	1993	FM / MRD
175	Pacific Whiting Stock Assessment	Port Susan	Port Susan	1993	FM / MRD
176	Pacific Whiting Stock Assessment	Possession Sound	Possession Sound	1993	FM / MRD
177	Carbaryl	GH, WB	Willapa Bay, Grays Harbor	1992	FM / MRD
178	WB Oyster Condition Index	WB Crassostrea gigas	Willapa Bay	1993	FM / MRD
179	WB Hydrography	WB Hydrography	Willapa Bay	1992	FM / MRD
180	Willapa Lab bibliography	Shellfish Publication Catalog	Library		FM / MRD
181	Nearshore Habitat Trophic DB	WC Juvenile Rockfish, Perch	Pacific nearshore	1992	FM / MRD
182	Coastal Groundfish Landings	Weekly coastal groundfish PFMC reports	Pacific coast	1997	FM / MRD
183	Expanded Trawl Logbook System	Coastal	Marine waters	1997	FM / MRD



## APPENDIX I A Data Directory of Information Pertinent to Salmonid Recovery

184	WDFW Species Composit Sample	Rockfish Otter Trawl, Coastal	Pacific coast	1997	FM / MRD
185	BDS (Biological Data System)	Sport, Commercial, & Research samples	Marine waters	1997	FM / MRD
186	ARC/INFO Base Coverages	Mex to AK coasts; USGS: WA & W OR; Misc.	US/Mexico to 180°W, 65°N	1997	FM / MRD
187	ARC/INFO Guest Data	Misc Coverages by Request	US/Mexico to 180°W, 65°N	1997	FM / MRD
188	ARC/INFO Species Coverages	All WA MFSF Species	Marine waters	1997	FM / MRD
189	Fathoms, Orcas Islands	0, 20, 40 fathom lines	San Juan archipelago	1996	FM / MRD
190	Fathoms, Strait of Juan de Fuca	0, 20, 40 fathom lines	Strait of Juan de Fuca	1996	FM / MRD
191	Fathoms, Strait of Georgia	0, 20, 40, 60, 120 fathom lines	Strait of Georgia, US & Canada	1997	FM / MRD
192	CPUs	MFSF Computer Equipment Inventory	MRD	1997	FM / MRD
193	Database Questionnaire	MFSF Database Dictionary	MRD	1993	FM / MRD
194	Nearshore Habitat Investigation	Sebastes, Lingcod, Marine Fish	Pacific nearshore	1993	FM / MRD
195	PS MF Sport Catch Estimates	MF Catch by month, area, type	Puget Sound by region	1990	FM / MRD
196	Trawl Rockfish Landings	Estimated Domestic, CA to B.C.	PMFC Areas 1A to 5E	1980	FM / MRD
197	Yellowtail Rockfish Bio Data	Commercial & Research, CA to B.C.	Monterey Bay to Queen Charlotte Sound	1992	FM / MRD
198	Rockfish Census	Artificial Reefs	Artificial reefs	1993	FM / MRD
199	Ling Rock	Central & N PS Transect Survey	Puget Sound by transect	1993	FM / MRD
200	PSAMP-PS Ambient Monitor Prog	Contaminant levels in PS, with PSWQA	Puget Sound	1997	FM / MRD
201	Lingcod Sport Catch & Effort	Coastal	Pacific coast	1992	FM / MRD
202	Neah Bay Lingcod Tag Recoveries	Lingcod	Pacific coast	1992	FM / MRD
203	Neah Bay Lingcod Tag Releases	Lingcod	Pacific coast	1992	FM / MRD
204	PS Recreational Halibut	Historical Length Frequency	Puget Sound	1991	FM / MRD
205	Bottomfish Sport Catch Rates	PS Rockfish, Lingcod, Flatfish, Pollock	Marine waters	1992	FM / MRD
206	Charter Log Book Program	PS Bottomfish by Catch Record Area	Marine waters	1987	FM / MRD

## APPENDIX I A Data Directory of Information Pertinent to Salmonid Recovery

207	Critical Habitat Rockfish	Central PS Transect Counts	Puget Sound	1987	FM / MRD
208	FINREC	Salmon and Bottomfish Sport Angling	Puget Sound	1985	FM / MRD
209	Historic Agate Pass Cod Creel Srvy	Agate Pass Recreational Pacific Cod	Agate Passage	1989	FM / MRD
210	LaConner Smelt Data	Surf Smelt and Pacific Herring	LaConner dock	1987	FM / MRD
211	MRFSS Angler Interview Data	WA Recreational Bottomfish by Punch Card Area	Marine waters by punch card area	1986	FM / MRD
212	MRFSS Biodata	WA Marine Fish Bio Samples	Marine waters by punch card area	1986	FM / MRD
213	Newfin	Collapsed Bottomfish for FINREC	Puget Sound	1991	FM / MRD
214	PS MFSF Catch Reporting System	PS Groundfish, Commercial & Recreational	Puget Sound	1990	FM / MRD
215	Salmon Ramp Data	Recreational Salmon & Bottomfish	Puget Sound	1985	FM / MRD
216	Scuba Dive Charter Fishery	San Juan Islands Bottom Fish	San Juan archipelago	1985	FM / MRD
217	Clam & Oyster Enhancement	PS Beaches	Puget Sound beaches	1992	FM / MRD
218	Cucumber Harvest Log	Mandatory dive harvest log data	Marine waters		FM / MRD
219	Urchin Dive Survey	Red & Green Sea Urchin	Marine waters	1992	FM / MRD
220	Urchin Harvest Log	Red & Green Sea Urchin	Marine waters	1993	FM / MRD
221	PS Shrimp Logs	Catch and effort, Shrimp, Crab, Crayfish	Puget Sound		FM / MRD
222	Japanese Oyster Drill Areas	Oyster Predator	Puget Sound	1992	FM / MRD
223	Geoduck Dive Survey	Geoduck Transect & Harvest	Puget Sound	1993	FM / MRD
224	Reflib	Pt. Whitney Reference Listing	Library	1992	FM / MRD
225	Hood Canal Cmmrcl Shrimp Pot Hrvst	Catch and Effort	Hood Canal		FM / MRD
226	Hood Canal Sprt Shrimp Pot Hrvst	Catch and Effort	Hood Canal		FM / MRD
227	PS Buoy Survey	Commercial & Sport, Crab & Shrimp, effort	Puget Sound		FM / MRD
228	PS Cmmrcl Shrimp BeamTrawl Hrvst	Catch and Effort	Puget Sound		FM / MRD
229	PS Cmmrcl Shrimp OT Harvest	Catch and Effort	Puget Sound		FM / MRD
230	PS Sand Shrimp Tract Survey	Beach characteristics	Puget Sound beaches		FM / MRD
231	PS Sport Shrimp Pot Harvest	Catch and Effort	Puget Sound		FM / MRD
232	Sand Shrimp Length/Freq. data	Whidbey Island, Willapa Bay	Whidbey I., Willapa Bay		FM / MRD

## APPENDIX I A Data Directory of Information Pertinent to Salmonid Recovery

233	Clam Summary	PS Hardshell population estimates	Puget Sound	1992	FM / MRD
234	Oyster Length	PS Oyster	Puget Sound	1992	FM / MRD
235	Oyster Population	PS Oyster	Puget Sound	1992	FM / MRD
236	Ingress	Clam & Oyster low-tide beach use patterns	Puget Sound	1992	FM / MRD
237	Geoduck Counts/dig	PS Geoduck, Dive Fishery	Puget Sound	1992	FM / MRD
238	Halibut Catch Record System	PS Pacific Halibut	PS E of Sekiu River	1992	FM / MRD
239	Halibut Catch Record System	Halibut Catch records (stubs)			FM / MRD
240	Tacoma Narrows Lingcod	Seasonal Hook & Line, SCUBA	Tacoma Narrows	1992	FM / MRD
241	CLAMLW	Clam Length/Weight	Puget Sound		FM / MRD
242	Creel	Sport Clam, Oyster, & Crab	Puget Sound	1992	FM / MRD
243	Flight	Clam & Oyster beach use patterns	Puget Sound E of Dungeness	1992	FM / MRD
244	PS Map	Map info Shoreline	Puget Sound		FM / MRD
245	PS Crab Condition Index	Shell condition by Mo, Day	Puget Sound		FM / MRD
246	PS Crab Trawl Data	Crab injury data	Puget Sound		FM / MRD
247	PS Sport Crab Harvest	Catch and Effort	Puget Sound		FM / MRD
248	Chemical Inventory	Hazardous Wastes at Pt. Whitney	Pt. Whitney		FM / MRD
249	Enhancement	Clam and Oyster Enh. Proj. data	Puget Sound		FM / MRD
250	Epibenthic	PS Beaches, EIS	Puget Sound	1988	FM / MRD
251	Bull Trout Redd Counts-Region 2	Annual redd counts in Region 2 index streams	Index streams in WRIA's 45, 46, and 48	1996	WDFW
252	WDFW Wetland Inventory	DWF lands, NWI, PHS, hydric soils, noxious weeds	statewide by WRIA	1997	WDFW
253	Gravity Fish Screens	Irrigation diversions w/ "foodfish" (salmon)	E. WA and Columbia R.	1997	WDFW/SSHEAR
254	Fishways	Fish passage	Statewide	1997	WDFW/SSHEAR
255	Barrier Culverts	Fish passage	Statewide	1997	WDFW/SSHEAR
256	Barrier Culverts	Fish passage	Statewide (WSDOT roads)	1997	WDFW/SSHEAR
257	Barrier Culverts	Fish passage	Thurston County (County roads)	1997	WDFW/SSHEAR

## APPENDIX I A Data Directory of Information Pertinent to Salmonid Recovery

258	Off-Channel Habitat	Fish habitat	North Puget Sound	1997	WDFW/SSHEAR
259	Off-Channel Habitat	Fish habitat	North Coast	1997	WDFW/SSHEAR
260	Fish Screen Projects(pending)	Capital budget screens on irrigation diversions	E. WA and Columbia R.	1997	WDFW/SSHEAR
261	Fish Pass/Hab Projects(pending)	Fish passage/fish habitat	Statewide	1997	WDFW/SSHEAR
262	Pump Station Fish Screens	Pump Diversion Inventory & Screen Status	Columbia/Snake /Okanogan Rivers	1997	WDFW/SSHEAR
263	Commrc'l License & Permits	Licensees: To commrcly harv. or manage critters	Statewide	1972	WDFW Licensing
264	Commrc'l Buyers & Processors	Licensees: To commrcly buy dead critters	Statewide	1972	WDFW Licensing
265	Aquatic Farm Registrants	Folks that raise critters on Aquatic Farms	Statewide	1972	WDFW Licensing
266	Recreational License Sales	Qty of folks catching and killing critters for sport	Statewide	1972	WDFW Licensing
267	Commrc'l Fish Ticket Info	Commercial Acctg of dead fish & shellfish	Statewide	1972	WDFW Info Sys
268	Commrc'l Fish Harvest Stat Rpts	Commercial Acctg of dead fish & shellfish	Statewide (former WDF stat rpts)	1889	WDFW Info Sys
269	Patrol/Enf Revocation Processing	License revocation processing for game violations	Statewide	1975	WDFW Enforcement
270	Water Rights	Water right applic & WDW Recommended Conditions (in dbase 3)	Statewide	1991?	